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E Shusterman, M Feder - Image Processing, IEEE Transactions on, 1994 - ieeexplore.ieee.org
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S Sethuraman, MW Siegel, AG Jordan - Proc. of the IS&T/SPIE Symp. on Electronic Imaging, Digital ..., 1995 - cs.cmu.edu
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AM Eskicioglu - Optical Engineering (Bellingham, Washington), 2006 - doi.ieeecs.org
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October 1994 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 3 Issue 4
Publisher: Springer-Verlag New York, Inc.
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Keywords: Multimedia database systems, image database systems, spatial index, tiling

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◆ Chih-Fong Tsai, Ken McGarry, John Tait
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Use of semantic content is one of the major issues which needs to be addressed for improving image retrieval effectiveness. We present a new approach to classify images based on the combination of image processing techniques and hybrid neural networks. Multiple keywords are assigned to an image to represent its main contents, i.e. semantic content. Images are divided into a number of regions and colour and texture features are extracted. The first classifier, a self-organising map (SOM) clusters ...

Keywords: content-based image retrieval, image indexing/classification, neural networks

3   ■
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